

Figure 1

SECRET

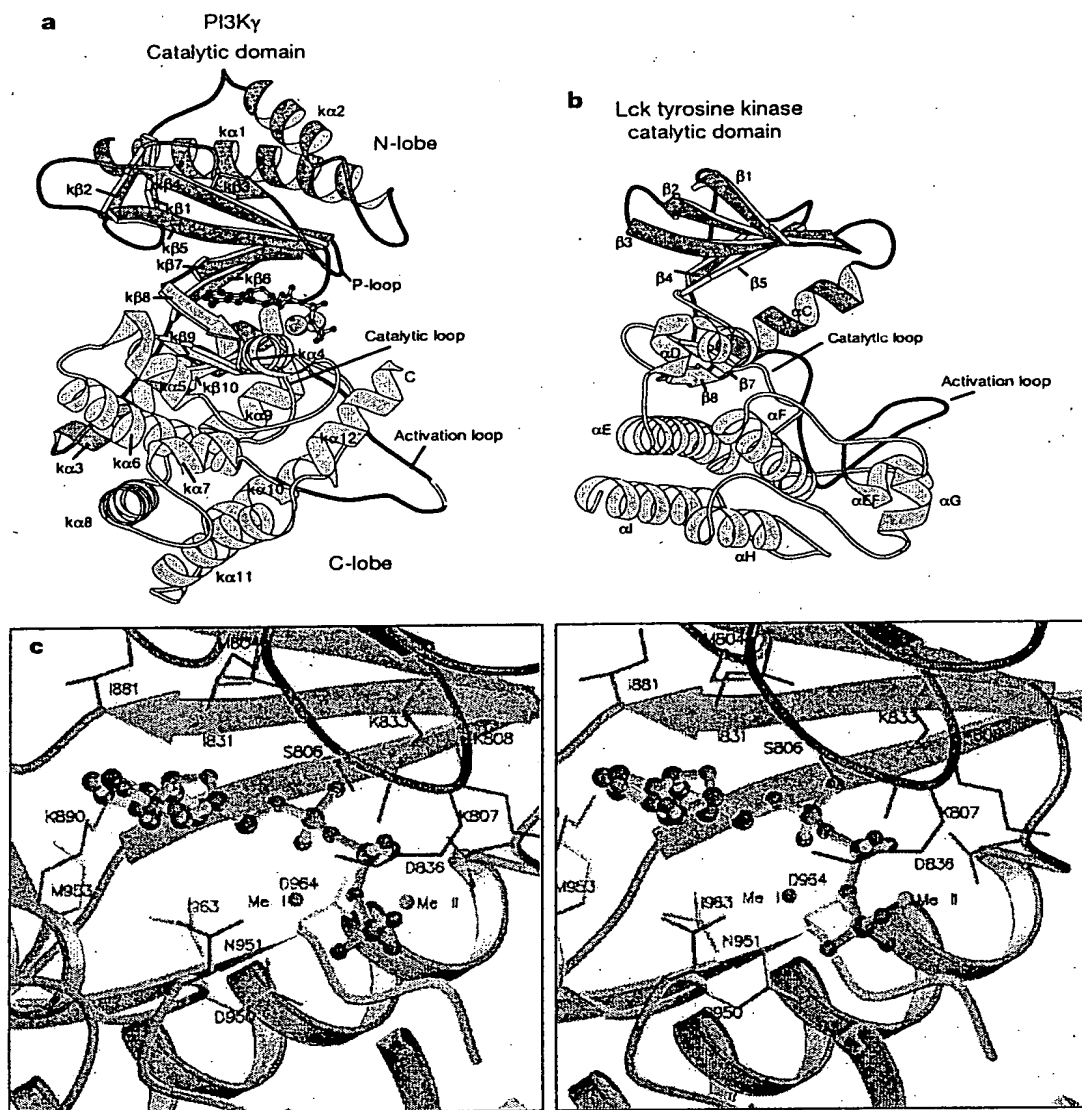


Figure 2

Ras binding domain
 RBD
 C2 domain
 C2/helical domain linker
 Kinase domain N-terminal lobe
 Kinase domain C-terminal lobe
 activation loop

h01 h02 h03 h04 h05 h06 h07 h08 h09 h10 h11 h12 h13 h14 h15 h16 h17 h18 h19 h20 h21 h22 h23 h24 h25 h26 h27

PI3K 144 SEETLAFQRLAQLGVDVCSVMODEL ETRRLVITERRAEVGRD PK LYAMHW TSQPLREYLLKKTINCVFVTHRS TSQYDVSADDTF GTTLQSF DRAUGKSLND

PI3K 261 IPESQ NERDEVLRVCG RDEYLGETPDKNGWRC LGGEETHLVLTPTFPALDEVRDEWPL TGTCGHEQLTHGQNE VFTVSLAACDRFVAKRG

PI3K 368 IDIPLRPT ADLTVFVANIYG QVLOQRITSEK FT EELVNAWLEFSIKDKD LKCALINLQIYCKAPALSG TSANPSPSEKQAQLLYVALLIDKRFLLRHGEVLAHQLSGCEG

PI3K 494 QGSPACKLTSATNPKESKSTISILLNYPALPKHPTDPEG DRVRAEPRQLKLEALLADPLNPLTAEKELWFRYEST KDPKAYP KLFSSVKGQGEIVAKYQLAIRE

PI3K 516 WQSSALVGLDGLQDNCFSDENVRALAQVLES LG DDVLYLLQLVQVKEE PYHSALARFLKRLGNRLG HPLFWLFRSELAQSRH YQRRFVILEZAYLRG GTANLHDFIQGVQVND

PI3K 742 LQKVT IDKSLSAERYDVSSQVTSIQKLENLQNL PQSRPVYPYRGLKAGALVTERCKVASK KKLPLWLFKCAE ALSNETGILFPHGDLQRQMLIQI LADHESIMETESLQCL

PI3K 865 LPKCISTGD ZIQGEIVADATTAKIQSTV GNTGAFIDEVLSH KECPTFEKQFAVERFVYSNGYCATVLCI GDRNDNDISERQLPHDQGLQVNSPLGDKERVPFLTEPLFVAGT

PI3K 998 SG KIKSLHFKQFQDQVAYLAIRHINLLI LPSMMLTGMQVLSKED DEYTRDAILNGKSEEDAKYFLQ DEVCROKQWVQFNAFLHLVLGDKQGEISA

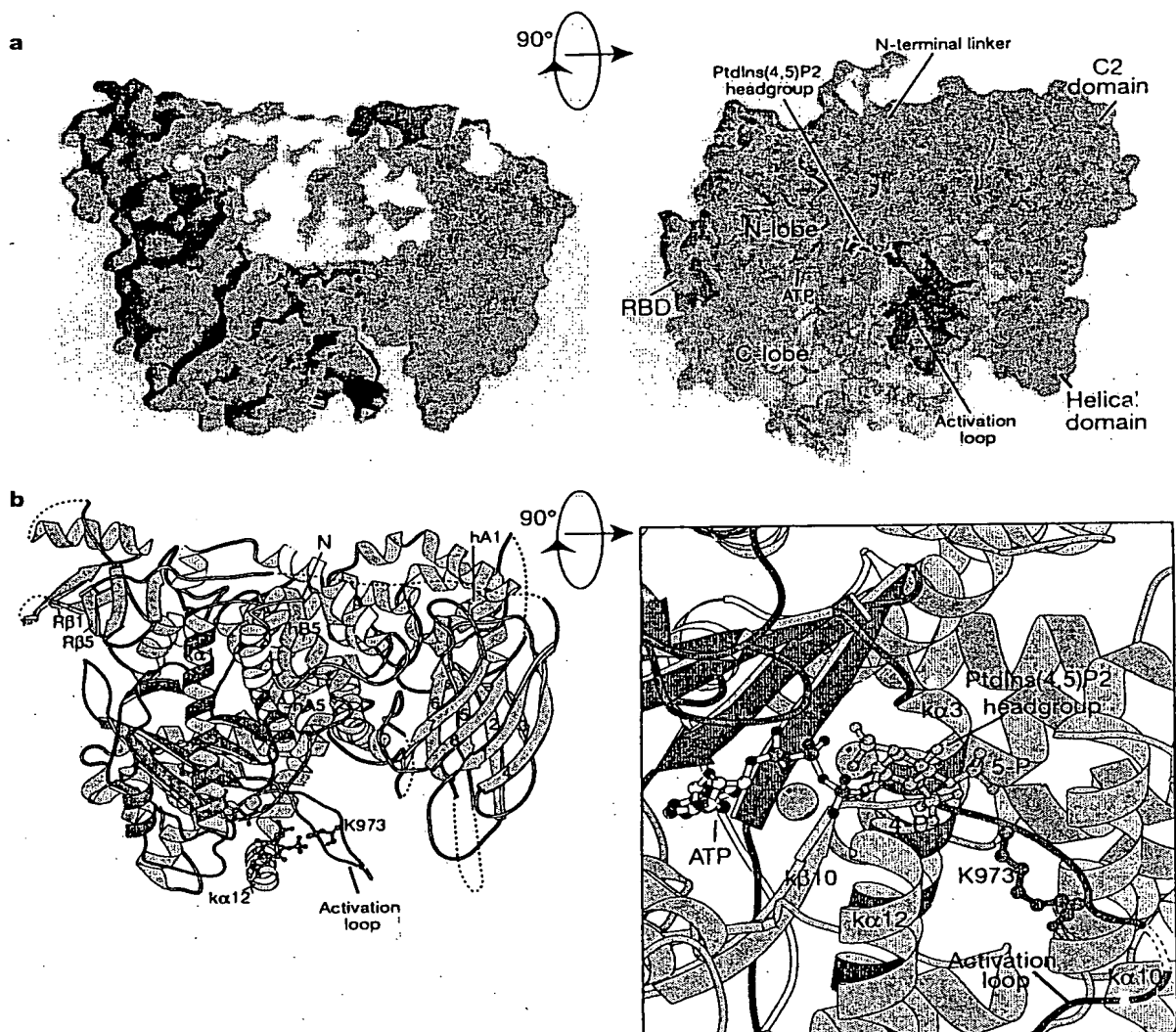


Figure 4

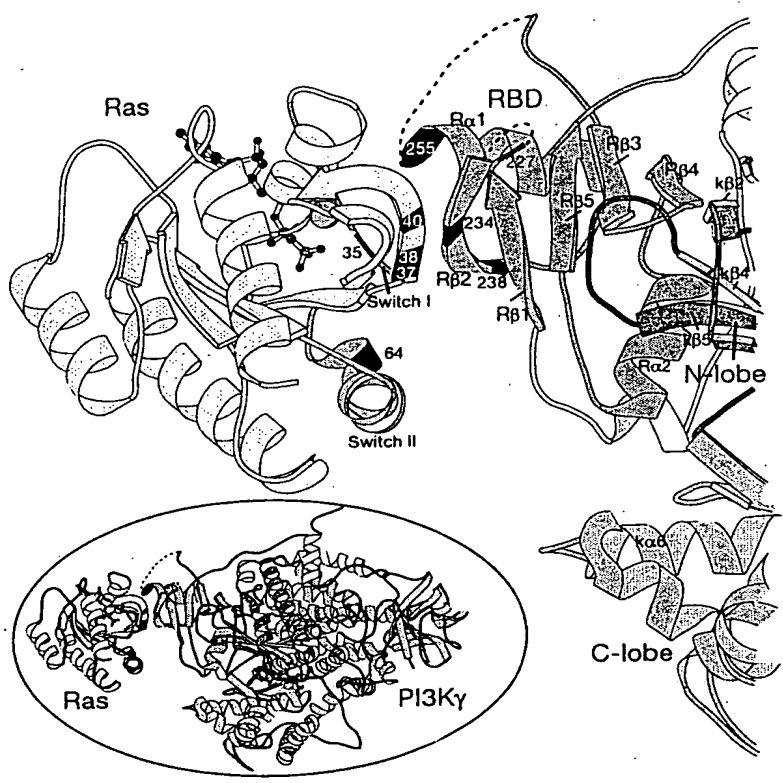


Figure 5

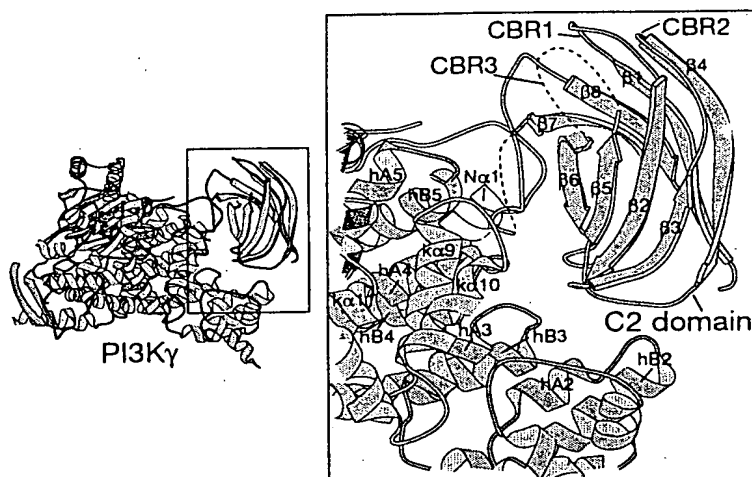


Figure 6

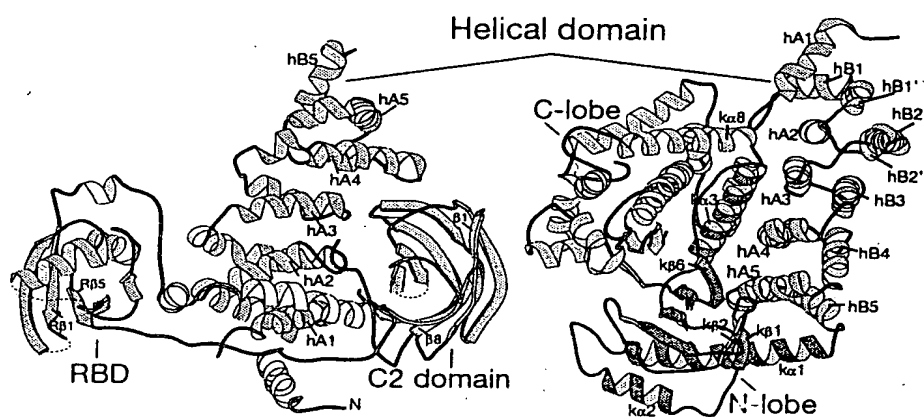


Figure 7

